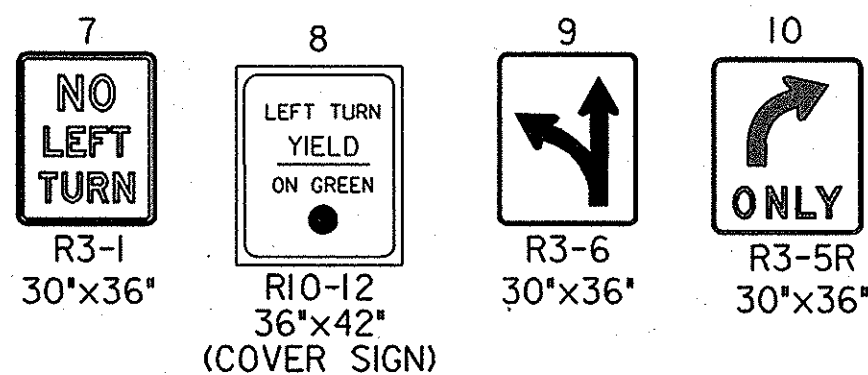


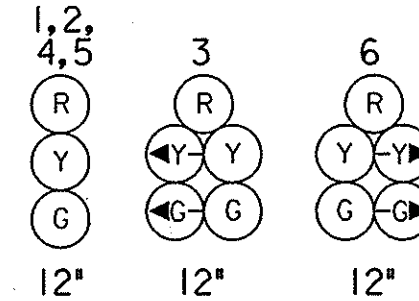


MD 146 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

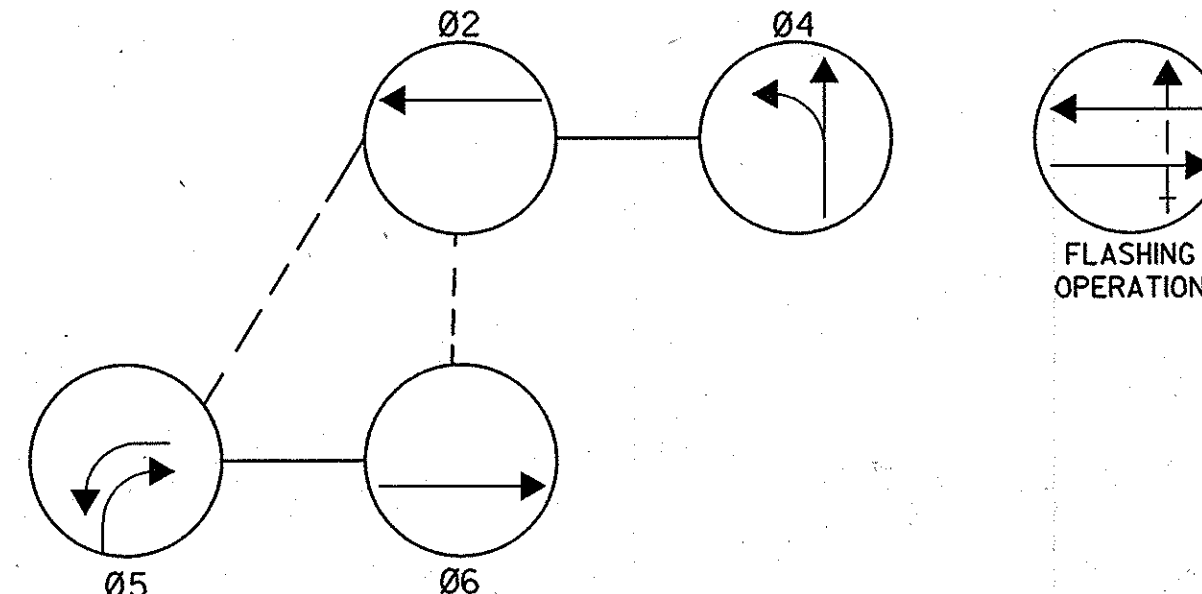
SIGNS



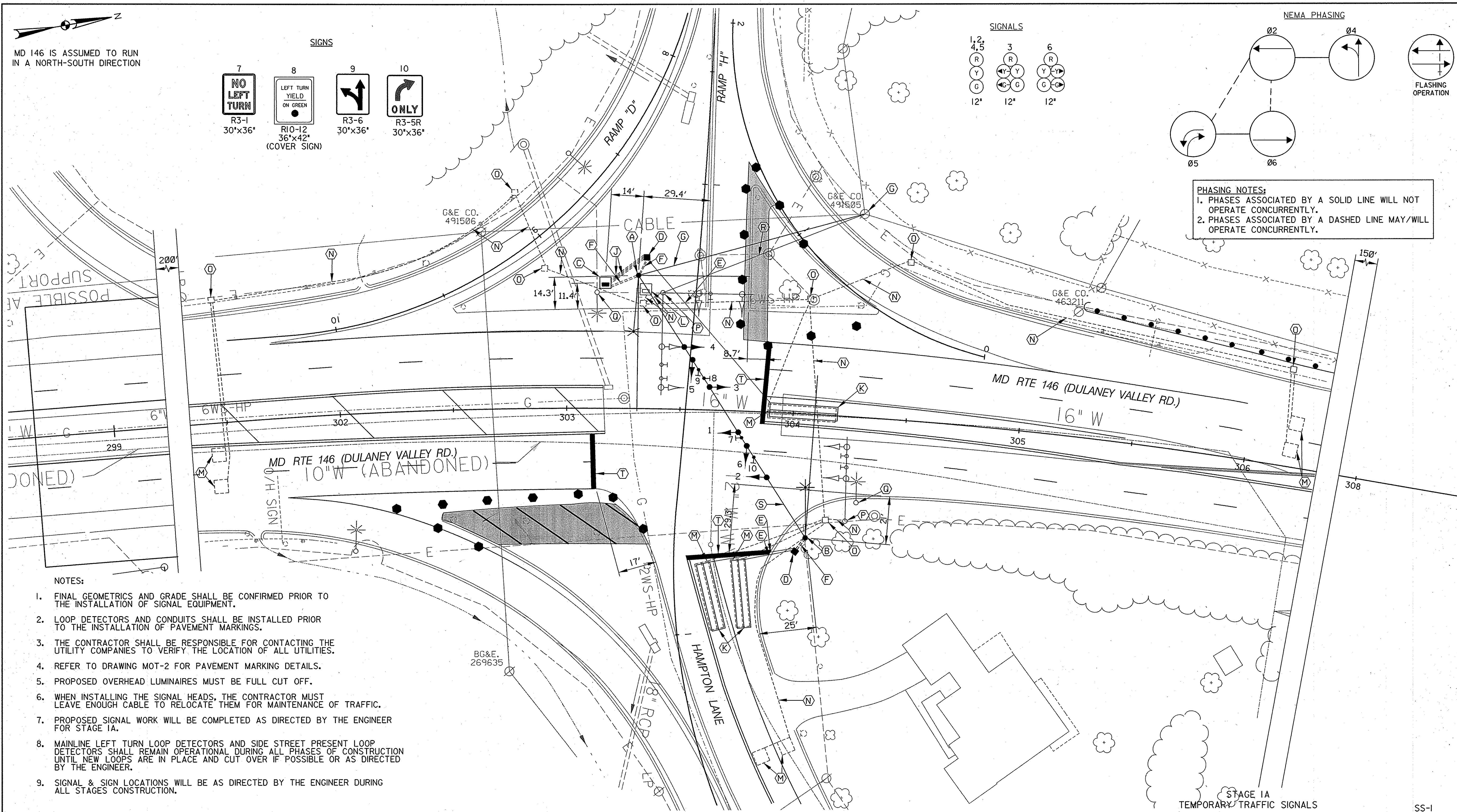
SIGNALS



NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



NOTES:

1. FINAL GEOMETRICS AND GRADE SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT.
2. LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL UTILITIES.
4. REFER TO DRAWING MOT-2 FOR PAVEMENT MARKING DETAILS.
5. PROPOSED OVERHEAD LUMINAIRES MUST BE FULL CUT OFF.
6. WHEN INSTALLING THE SIGNAL HEADS, THE CONTRACTOR MUST LEAVE ENOUGH CABLE TO RELOCATE THEM FOR MAINTENANCE OF TRAFFIC.
7. PROPOSED SIGNAL WORK WILL BE COMPLETED AS DIRECTED BY THE ENGINEER FOR STAGE 1A.
8. MAINLINE LEFT TURN LOOP DETECTORS AND SIDE STREET PRESENT LOOP DETECTORS SHALL REMAIN OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNTIL NEW LOOPS ARE IN PLACE AND CUT OVER IF POSSIBLE OR AS DIRECTED BY THE ENGINEER.
9. SIGNAL & SIGN LOCATIONS WILL BE AS DIRECTED BY THE ENGINEER DURING ALL STAGES CONSTRUCTION.

RK & K
RUMMEL, KLEPPER
& KAHL, LLP
CONSULTING ENGINEERS

81 MOSHER STREET
BALTIMORE, MARYLAND 21217
TEL: (410) 728-2300 FAX: (410) 383-3270

REVISIONS:

NOVEMBER 1998
Reconstruct Due To New
Geometrics. SHA No: BA9775372

APPROVALS:

CHIEF SIGNAL DESIGN SECTION
ASST. DISTRICT ENGINEER TRAFFIC
CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION LOG MILE # 03014600.85

DRAWN BY: SMH
DES. BY: DLA/SMH
CHK. BY: BJH

MD 146 (DULANEY VALLEY ROAD) AT
I-695 RAMPS/HAMPTON LANE
SIGNAL PLAN

COUNTY: BALTIMORE

DATE: NOVEMBER, 1998 F.A.P. NO. SEE TITLE SHEET
SCALE: 1"=20' S.H.A. NO. BA9775372

TS/STD. NO.: 454E-X1A-GI1
SHEET NO. 104 OF 155